Van Buren County, Iowa

and soil name	Pct. of map unit	manure and food processing was	l-	Application Of sewage sludg		Disposal of wastewater by irrigation 	
	 			Rating class and limiting features			
13B: Olmitz	 35 	 Not limited 		 Not limited 		 Somewhat limited Too steep for surface application	 0.08
Vesser	33 		1.00	 Very limited Depth to saturated zone 	1.00 	 Very limited Depth to saturated zone Too steep for surface application	11.00
Zook	32 	Restricted permeability Depth to saturated zone	1.00 1.00	permeability Depth to saturated zone	1.00 	 Very limited Restricted permeability Depth to saturated zone	1.00
23C2: Arispe	 95 	Restricted permeability	1.00 	 Very limited Restricted permeability Depth to saturated zone 	1.00 		 1.00 0.91
51: Vesser			11.00	Flooding 	1.00 	 Very limited Depth to saturated zone Flooding 	
51+: Vesser	 100 	Depth to saturated zone	11.00	İ		 Very limited Depth to saturated zone Flooding 	 1.00 0.60

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application Of sewage sludg	е	Disposal of wastewater by irrigation	l
		Rating class and limiting features		Rating class and limiting features			Value
51B: Vesser	 - 100 	 Very limited Depth to saturated zone 	 1.00 	 Very limited Depth to saturated zone 	 1.00 	 Very limited Depth to saturated zone Too steep for surface application	 1.00 0.08
54: Zook	 - 100 		 1.00 1.00 1.00 0.60 0.50		 1.00 1.00 1.00	permeability Depth to saturated zone	 1.00 1.00 0.60
58D: Douds	 - 100 	 Somewhat limited Slope Too acid 	 0.63 10.02 1	i I	 0.63 0.07 		 1.00 0.77 0.07
58D2: Douds	 - 100 	Slope 	1	I I	 0.63 0.07 	 Very limited Too steep for surface application Too steep for sprinkler application Too acid	 1.00 1.00 0.77 1.00
58E2: Douds	 - 100 	 Very limited Slope 	1 1.00	 Very limited Slope 	 1.00 	 Very limited Too steep for surface application	1 1.00
	 	Too acid 	0.02	Too acid 	0.07		1.00

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg	e	Disposal of wastewater by irrigation	ı
	i I	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	 	 	Low adsorption	0.01	Too acid	0.07
58F2: Douds	 100 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00 	surface	 1.00
		 Too acid 	0.02	 Too acid 	 0.07 	application Too steep for sprinkler application	11.00
		 	 	Low adsorption	0.01		0.07
58G: Douds	 100 	 Very limited Slope 	1 1.00	 Very limited Slope 	11.00	 Very limited Too steep for surface application	1 1.00
		 Too acid 	0.02	Too acid 	 0.07 	Too steep for Sprinkler application Too acid	11.00
65D: Lindley	 90 	 Somewhat limited Slope 	0.63	 Somewhat limited Slope 	0.63	surface	11.00
		 Restricted permeability	0.30	 Too acid 	0.31	application Too steep for sprinkler application	 0.77
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
	 	 	 	 	 	Restricted permeability 	0.22
65D2: Lindley	 90 	 Somewhat limited Slope 	 0.63	 Somewhat limited Slope 	 0.63	surface	1 1.00
		Restricted permeability	0.30	 Too acid 	0.31	application Too steep for sprinkler application	0.77
		Too acid 	0.08	Restricted permeability	0.22	Too acid 	0.31
	 	 	 	 		Restricted permeability	10.22

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	е	Disposal of wastewater by irrigation 	ı
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
65E: Lindley	 95 	 Very limited Slope 	 1.00	 Very limited Slope	 1.00	surface	 1.00
	 	 Restricted permeability 	0.30	Too acid 	0.31	application Too steep for sprinkler application	11.00
	 	Too acid 	0.08	Restricted permeability	0.22		0.31 0.22
65E2: Lindley	 95 		 1.00	 Very limited Slope 	 1.00	surface	1 1.00
	 	 Restricted permeability 	 0.30 	 Too acid 	 0.31 	application Too steep for sprinkler application	11.00
	 	Too acid 	0.08	Restricted permeability 	0.22	Too acid Restricted permeability	0.31 0.22
65F2: Lindley	 95 	 Very limited Slope 	1 1.00	 Very limited Slope	1 1.00	surface	1.00
	 	Restricted permeability	0.30	Too acid 	0.31	application Too steep for sprinkler application	11.00
	 	 Too acid 	0.08	Restricted permeability	0.22 		0.31
65G: Lindley	 95 	 Very limited Slope 	 1.00	 	 1.00	 Very limited Too steep for surface	11.00
	 	 Restricted permeability 	 0.30 	 Too acid 	 0.31 	application Too steep for sprinkler application	 1.00

Van Buren County, Iowa

and soil name	Pct. of map unit	manure and food processing was	Application of sewage sludg	re	Disposal of wastewater by irrigation	1	
	 	 Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features	
	 	 Too acid 	10.08	Restricted permeability	10.22	Ī	 0.31
	 	 	 	 	 	Restricted permeability 	0.22
80B: Clinton	 95 	 Somewhat limited Restricted permeability	0.30	permeability	 0.22	 Somewhat limited Restricted permeability	 0.22
	 	Too acid 	0.02 	Too acid 	0.07 	Too steep for surface application Too acid	0.08 0.07
80C: Clinton	 90 	 Somewhat limited Restricted	1 1 1 0.30	 Somewhat limited Restricted permeability	 0.22	 Somewhat limited Too steep for surface	 0.91
	 	permeability Too acid 	 0.02 	İ	 0.07 	application	 0.22 0.07 0.02
80C2: Clinton	 90 			 Somewhat limited Restricted permeability	10.22	 Somewhat limited Too steep for surface	 0.91
	i 	Too acid	0.02	I	0.07	application Restricted permeability	10.22
	 	 		 		Too acid Too steep for sprinkler application	0.07 0.02
80D: Clinton	 90 	 Somewhat limited Slope 	 0.63	 Somewhat limited Slope 	1 0.63	surface	 1.00
	 	 Restricted permeability	10.30	 Restricted permeability	 0.22 	application Too steep for sprinkler application	 0.77
	 	 Too acid 	10.02	 Too acid 	0.07		0.22

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	-	Application of sewage sludg		Disposal of wastewater by irrigation	1
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
		; 	 	 	 	 Too acid 	10.07
80D2: Clinton	 - 90 	 Somewhat limited Slope 	 0.63	 Somewhat limited Slope 	10.63	 Very limited Too steep for surface application	1 1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.77
		Too acid 	 0.02 	Too acid 	0.07	Restricted permeability Too acid	10.22
130: Belinda	 - 100 	Restricted permeability	1.00 	 - Very limited Restricted permeability Depth to	1.00 	Too actu 	 1.00 1.00
	 	saturated zone Runoff limitation 	 0.40 	saturated zone 	 	saturated zone 	[[]
131B: Pershing	 - 90 	Restricted permeability Depth to saturated zone	1.00 0.43	 Very limited Restricted permeability Depth to saturated zone Too acid 	1.00 0.43		 1.00 0.43 0.31 0.08
131B2: Pershing	 - 90 	Restricted permeability Depth to saturated zone	1.00 0.43		1.00 0.43		 1.00 0.43 0.31 0.08
131C: Pershing	 - 90 	 Very limited Restricted permeability	 1.00	 Very limited Restricted permeability	11.00	 Very limited Restricted permeability	11.00

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Van Buren County, Iowa

Map symbol and soil name	 Pct. of map unit	manure and food processing was	_	 Application of sewage sludg 	е	 Disposal of wastewater by irrigation 	n
				Rating class and limiting features 			Value
	 	 Depth to saturated zone	0.43	 Depth to saturated zone	10.43	Too steep for surface application	 0.91
		Too acid	0.08	Too acid - - - -	0.31	Depth to saturated zone Too acid Too steep for sprinkler application	0.43 0.31 0.02
131C2:	i		i	' 	i	' 	i
Pershing	90 	Very limited Restricted permeability Depth to saturated zone	11.00	permeability	11.00	permeability Too steep for surface	 1.00 0.91
		 Too acid 	0.08	 Too acid 	 0.31 	application Depth to saturated zone Too acid Too steep for sprinkler application	0.43
132B:	i	I	i	i I	i		i
Weller	100 	Very limited Restricted permeability Depth to saturated zone Too acid	11.00	permeability Depth to saturated zone	11.00	permeability Depth to saturated zone	 1.00 0.43 0.31 0.08
132C: Weller	 90 	 Very limited Restricted permeability Depth to saturated zone Too acid	11.00	permeability Depth to saturated zone	 1.00 0.43 0.31	permeability Too steep for surface application	 1.00 0.91 0.43

Van Buren County, Iowa

and soil name	Pct. of map unit	manure and food- processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigation	ı
	 	Rating class and limiting features		Rating class and limiting features			
	 		 	 		Too steep for sprinkler application	10.02
132C2: Weller	 90 	Restricted permeability Depth to saturated zone	1.00 0.43 	saturated zone	1.00	permeability Too steep for surface application	 1.00 0.91
	 	Too acid 	0.08 	Too acid 	0.31 	Depth to saturated zone Too acid Too steep for sprinkler application	0.43 0.31 0.02
139:							i
Perks	95 	Filtering capacity Flooding	 1.00 1.00 0.60 0.45	Droughty Filtering capacity	 1.00 1.00 1.00	Filtering capacity	 1.00 1.00 0.60
139B: Perks	 100 	Droughty Filtering capacity	 1.00 1.00 0.45	Filtering capacity	 1.00 1.00 1		11.00
172: Wabash	 95 	permeability Depth to saturated zone Flooding Runoff limitation	1.00 1.00 0.60	saturated zone Flooding	 1.00 1.00 1.00 1.00 0.07	permeability Depth to saturated zone Flooding	 1.00 1.00 0.60 0.07

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	-	Application of sewage sludg		Disposal of wastewater by irrigation	1
		Rating class and limiting features		Rating class and limiting features			
173: Hoopeston	1100	Filtering capacity	1.00 	Filtering capacity	1.00 	 Very limited Filtering capacity	11.00
	 	saturated zone				Depth to saturated zone Too acid	11.00
179D2:		 	 	 		 	İ
Gara	90	Somewhat limited Slope 	 0.63 	Somewhat limited Slope	0.63	surface	11.00
		Restricted permeability 	 0.30 	Restricted permeability	 0.22 	application Too steep for sprinkler application Restricted permeability	 0.77 0.22
179E2: Gara	95	 Very limited Slope 	 1.00	 Very limited Slope 	11.00	surface	11.00
		 Restricted permeability 	 0.30 	 Restricted permeability 	 0.22 	application Too steep for sprinkler application Restricted permeability	1.00 0.22
197: Reedscreek	1 100		 0.60	. =		 Somewhat limited Flooding	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
208: Klum	 95 		 0.60	 Very limited Flooding	1 1.00	 Somewhat limited Flooding	1 1 1 0.60
211: Edina	 90 	=	 1.00	 Very limited Restricted permeability	1 1 1 1 1 1 1 1 1 1	 Very limited Restricted permeability	 1.00
		Depth to saturated zone Runoff limitation Too acid	0.86 0.40 0.02		0.86 0.07	Depth to saturated zone	0.86 0.07

Van Buren County, Iowa

± ±	Pct. of map unit	manure and food processing was	-	Application of sewage sludg 		Disposal of wastewater by irrigation	ı
				Rating class and limiting features			
220: Nodaway	 90 			 Very limited Flooding		 Somewhat limited Flooding	 0.60
222C2: Clarinda	 100 	Restricted permeability Depth to saturated zone Runoff limitation	1.00 1.00	 	1.00 1.00		 1.00 1.00 0.91 0.07 0.02
223C2: Rinda	 100 	Restricted permeability	1.00 1.00	 Very limited Restricted permeability Depth to saturated zone 	11.00		 1.00 1.00 0.91 0.02
231: Edina	 90 	Restricted permeability Runoff limitation Depth to saturated zone	1.00 0.40 0.09	saturated zone Too acid 	1.00 0.09 0.07		11.00
260: Beckwith	 100 	Restricted permeability	1.00 1.00	permeability Depth to saturated zone		saturated zone	 1.00 1.00 0.31

Van Buren County, Iowa

and soil name	Pct. of map unit	manure and food processing was	-	Application of sewage sludg		Disposal of wastewater by irrigation	
	 			Rating class and limiting features			
	 	 Too acid	0.08	: 	 	: 	
261: Appanoose	 100 	Restricted permeability Depth to saturated zone	1.00 1.00 0.40	permeability Depth to saturated zone Too acid	1.00 1.00	 Very limited Restricted permeability Depth to saturated zone Too acid	1.00
263: Okaw	 100 	Restricted permeability Depth to saturated zone Runoff limitation	1.00 1.00		1.00 1.00	 Very limited Restricted permeability Depth to saturated zone Too acid	 1.00 1.00 0.31
273B: Olmitz	 100 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application	 0.08
273C: Olmitz	 100 	 Not limited 	 	 Not limited 	 		 0.91 0.02
312B: Seymour	İ	Restricted permeability	1.00 	Restricted	1.00 		1.00
312B2: Seymour	 100	 Very limited	 	 Very limited	 	 Very limited	

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	е	Disposal of wastewater by irrigation 	ı
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
		Restricted permeability Depth to saturated zone	 1.00 0.43 	Restricted permeability Depth to saturated zone	 1.00 0.43 	Restricted permeability Depth to saturated zone Too steep for surface application	 1.00 0.43 0.08
313D2: Gosport	 95 	 Very limited Restricted permeability Droughty	 1.00 0.91	permeability	 1.00 0.91	 Very limited Restricted permeability Too steep for surface application	 1.00 1.00
		Slope Depth to bedrock		Depth to bedrock		Droughty Too steep for sprinkler application	0.91
313E2:		Too acid 	0.02 		0.07 	Depth to bedrock	0.46
Gosport	95 	Very limited Restricted permeability Slope 	1.00 1.00	permeability	1.00 1.00	Very limited Restricted permeability Too steep for surface	 1.00 1.00
	 	 Droughty 	 0.96 	 Droughty 	 0.96 	application Too steep for sprinkler application	 1.00
		Depth to bedrock Too acid 	0.46 0.02		0.46 0.07	Droughty Depth to bedrock	0.96 0.46
313F2: Gosport	 - 95 	 Very limited Slope Restricted	 1.00 1.00	 Very limited Restricted permeability Slope	 1.00 1.00	permeability	 1.00 1.00
	 	permeability Droughty	11.00	i I	1 1.00	surface application Too steep for	1 1.00
	 	 Depth to bedrock Too acid 	 0.46 0.02	 Depth to bedrock Too acid 	 0.46 0.07	sprinkler application Droughty Depth to bedrock	 1.00 0.46

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	-	Application of sewage sludg	е	Disposal of wastewater by irrigation	ı
	 			Rating class and limiting features			Value
313G: Gosport	95	 Very limited Slope	11.00		11.00	 Very limited Restricted	1 1.00
		 Restricted permeability	11.00	permeability Slope 		permeability Too steep for surface application	11.00
	 	 Droughty 	0.97 	 Droughty 	 0.97 		11.00
	 	saturated zone		Depth to saturated zone Depth to bedrock		Droughty 	0.97 0.95
	i I	 		 	İ	saturated zone	İ
315: Nodaway				 Very limited Flooding		 Somewhat limited Flooding	 0.60
Klum	30			 Very limited Flooding		 Somewhat limited Flooding	1 10.60
Perks	20 	Droughty Filtering capacity Flooding	1.00 1.00	Droughty Filtering capacity	1.00 1.00	 Very limited Droughty Filtering capacity Flooding	 1.00 1.00 0.60
362: Haig	 100 	 Very limited Restricted permeability Depth to saturated zone		saturated zone Restricted permeability		 	11.00
363: Haig	 100 	Restricted permeability Depth to	1.00 1.00	saturated zone Restricted	1.00 1.00	 Very limited Depth to saturated zone Restricted permeability	 1.00 1.00

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food- processing was		Application of sewage sludg	re	Disposal of wastewater by irrigation 	
	 	Rating class and limiting features		Rating class and limiting features		=	Value
		 Leaching limitation	0.50				
364B:	l I	 	 	 	I I	 	l
Grundy	100	Restricted permeability	 1.00 1.00 	permeability	 1.00 1.00 	permeability	11.00
364B2: Grundy	 100 	Restricted permeability	 1.00 1.00 	permeability	 1.00 1.00 -	permeability	 1.00 1.00 0.08
423D2: Bucknell	 95	 Very limited Restricted	 1.00	 Very limited Restricted	 1.00	 Very limited Too steep for	 1.00
	 	permeability Depth to	 1.00	permeability Depth to	 1.00	surface application Restricted	 1.00
		saturated zone Slope	 0.63	saturated zone Slope	 0.63	permeability Depth to saturated zone	11.00
		Runoff limitation	0.40	Too acid 	0.07	Too steep for sprinkler	0.77
		 Too acid 	 0.02 	 		application Too acid 	0.07
424D2: Lindley	60 	 Somewhat limited Slope 	 0.63 	 Somewhat limited Slope 	 0.63	surface	 1.00
	 	 Restricted permeability 	 0.30 	 Too acid 	 0.31 	application Too steep for sprinkler application	 0.77
	i I	 Too acid 	0.08 	Restricted permeability	0.22		0.31

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigation	n
	 			Rating class and limiting features		=	
						Restricted permeability	10.22
Keswick	30	=		 Very limited Restricted permeability 	11.00	 Very limited Too steep for surface application	11.00
	 	 Depth to saturated zone	1.00	Depth to saturated zone	11.00	Restricted permeability	11.00
		Slope 	10.63		0.63 	saturated zone	1.00
		Too acid 	0.08 	Too acid 	0.31 	sprinkler application	0.77
42452.		 		 		Too acid 	0.31
424E2: Lindley	 65 	 Very limited Slope 	1 1.00	 Very limited Slope 	1 1.00	surface	11.00
	 	Restricted permeability	0.30	 Too acid 	0.31	application Too steep for sprinkler application	11.00
	 	 Too acid 	0.08	Restricted permeability	0.22		0.31
		 		 		Restricted permeability	10.22
Keswick	35	 Very limited Restricted permeability	1.00	 Very limited Restricted permeability		 Very limited Too steep for surface application	11.00
		Slope 	1.00	Slope 	1.00	Too steep for sprinkler	11.00
	 	 Depth to saturated zone	11.00	 Depth to saturated zone		application Restricted permeability	11.00
	 	Too acid 	0.08	Too acid 	0.31	Depth to saturated zone Too acid	1.00 0.31
425D: Keswick	90	 Very limited	 	 Very limited	 	 Very limited	
	 	Restricted permeability		Restricted permeability	11.00	-	11.00

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg		Disposal of wastewater by irrigation	ı
	 	 Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	 Depth to saturated zone Slope	1.00 0.63	Depth to saturated zone Slope	1.00 0.63	permeability Depth to	 1.00 1.00
	 	 Too acid 	 0.08 	 Too acid 	 0.31 	saturated zone Too steep for sprinkler application	 0.77
425D2: Keswick		 Very limited		 - Very limited		Too acid Very limited	0.31
Neswick		Restricted permeability		Restricted permeability	11.00	_	11.00
	 	Depth to saturated zone Slope	1.00 0.63	saturated zone	1.00 0.63	permeability Depth to	1.00 1.00
	 	 Too acid 	 0.08 	 Too acid 	0.31	saturated zone Too steep for sprinkler application	 0.77
432C2:		 		 	 	Too acid 	0.31
Gorin	- 95 	Very limited Restricted permeability	1.00 	Very limited Restricted permeability	1.00 	permeability	11.00
	 	Depth to saturated zone Too acid 	1.00 0.08	saturated zone	1.00 0.31	saturated zone	1.00 0.66
		 	 	 		application Too acid Too steep for sprinkler application	 0.31 0.01
432D: Gorin	 - 95 	 Very limited Restricted permeability Depth to saturated zone	1.00	permeability	1.00	permeability Too steep for surface	11.00
	 	 Slope 	 0.63 	 Slope 	 0.63 	· •	 1.00

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	re	Disposal of wastewater by irrigation	n
	 	Rating class and limiting features				Rating class and limiting features	Value
	 	Too acid	 0.08 	Too acid	0.31	Too steep for sprinkler application Too acid	 0.77 0.31
432D2: Gorin	 - 95 	 Very limited Restricted permeability Depth to saturated zone Slope 	 1.00 1.00 1.00 0.63 	permeability Depth to saturated zone Slope	 1.00 1.00 1.00 0.63 	permeability Too steep for surface application Depth to saturated zone	 1.00 1.00 1.00
453:		100 actu 		100 actu 		Too Steep Tor sprinkler application Too acid	10.77
Tuskeego	 100 		 1.00 1.00 0.50 0.02	permeability Depth to saturated zone	 1.00 1.00 0.07	permeability Depth to saturated zone	 1.00 1.00 0.07
460: Mtsterling	 - 100 	 Very limited Restricted permeability Depth to saturated zone Flooding	 1.00 1.00 1.00 1.00	saturated zone Flooding	 1.00 1.00 1.00 1.00	saturated zone Restricted permeability	 1.00 1.00 0.60
520: Coppock	 - 100 	 Very limited Depth to saturated zone Flooding	 1.00 0.60	Ī	1.00	saturated zone	11.00
520B: Coppock	 - 100	 Very limited	 	 Very limited	 	 Very limited	

Van Buren County, Iowa

and soil name	Pct. of map unit	manure and food processing was	_	Application Of sewage sludg		Disposal of wastewater by irrigation	ı
				Rating class and limiting features			
	 	 Depth to saturated zone 		•	11.00	Depth to saturated zone Too steep for surface application	 1.00 0.08
531B: Kniffin	 100 	Restricted permeability Depth to saturated zone	1.00 0.43	Restricted permeability Depth to saturated zone	1.00 0.43		 1.00 0.43 0.31 0.08
531B2: Kniffin	 100 	Restricted permeability Depth to saturated zone	1.00 0.43		11.00		 1.00 0.43 0.31 0.08
531C2: Kniffin	 90 	Restricted permeability Depth to saturated zone	11.00	 Very limited Restricted permeability Depth to saturated zone Too acid 	1.00		0.31
532B: Rathbun	95 95 	 Very limited Restricted permeability Depth to saturated zone	1.00	permeability	1.00	permeability	11.00

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was		Application of sewage sludg 	е	Disposal of wastewater by irrigation	ı
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	Too acid	 0.08 	Too acid Too acid 	0.31	Too acid Too steep for surface application	 0.31 0.08
532C: Rathbun	90 	Restricted permeability		 Very limited Restricted permeability Depth to saturated zone	11.00	permeability	 1.00 0.91
		Ī	 0.08 		 0.31 	application	 0.43 0.31 0.02
532C2: Rathbun	90 	permeability	 1.00 0.43	permeability	1.00	permeability	 1.00 0.91
		 Too acid 	 0.08 	 Too acid 	 0.31 	application Depth to saturated zone Too acid Too steep for sprinkler application	 0.43 0.31 0.02
534: Carlow	100 	Restricted permeability Depth to saturated zone Flooding Runoff limitation	1.00 1.00 0.60	permeability Depth to saturated zone Flooding Too acid	1.00 1.00 	saturated zone Flooding	 1.00 1.00 0.60 0.07
592D2: Mystic	 100 	=	 1.00 	 Very limited Restricted permeability	11.00	 Very limited Too steep for surface application	11.00

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg		Disposal of wastewater by irrigation	1
				 Rating class and limiting features 			Value
	 		İ	Depth to saturated zone	i	 Restricted permeability	11.00
	- !			Slope	•	Depth to	1.00
			 0.08 			saturated zone Too steep for sprinkler application	 0.77
	i	İ	İ	İ	i	Too acid	0.31
594D2:		 		 		 	1
Galland	100	Very limited	i	 Very limited	i	Very limited	i
		Restricted permeability	11.00		İ	Too steep for surface application	11.00
		Depth to		!		Restricted	11.00
	i	saturated zone		•			i
			0.63	Slope	0.63	Depth to saturated zone	1.00
		 Runoff limitation 	1	 		Too steep for sprinkler application	0.77
598G:	l I	 		 		 	
Bucklick	·-i 90				i	 Very limited	i
		Slope 	1.00 	Slope 	1.00 	Too steep for surface application	11.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	11.00
		 		 		Too acid	0.31
599G:		 		 		 	
Nordness	- 50	=		•		Very limited	11 00
				Droughty Depth to bedrock		Droughty Depth to bedrock	11.00
	i	=	11.00	_	11.00	_	11.00
	ĺ	İ	İ	İ	İ	surface	İ
		 	 	 		application Too steep for sprinkler	11.00
	į		į			application	į
Gosport	 45	 Very limited		 Very limited		 Very limited	
-	İ	=		Restricted	11.00	Restricted	11.00
		I		permeability		permeability	

Van Buren County, Iowa

	Pct. of map unit	manure and food- processing was	-	Application of sewage sludg	е	Disposal of wastewater by irrigation	
	 	 Rating class and limiting features 		 Rating class and limiting features 		 Rating class and limiting features 	
		Restricted permeability	 1.00 	 Slope 	11.00	 Too steep for surface application	11.00
	 	Droughty 	0.97 	Droughty 	0.97		11.00
	i i	 Depth to saturated zone	0.95	Depth to saturated zone	0.95	Droughty	0.97
	 	Depth to bedrock	0.46	•	0.46	Depth to saturated zone	0.95
	 100 	permeability Depth to saturated zone Runoff limitation	1.00 1.00	permeability Depth to saturated zone Too acid	 1.00 1.00 1.00 0.31	permeability Depth to saturated zone Too acid	 1.00 1.00 0.31 0.08
699G: Nordness	 70 	Slope Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to bedrock	 1.00 1.00 1.00 1.00
Bentonsport	25	. 4	1.00	 Very limited Slope 	11.00	surface	11.00
	 	 Cobble content 	 1.00 	Cobble content 	 1.00 	application Too steep for sprinkler application Cobble content	1.00
719B: Creal	 100 	 Somewhat limited Depth to saturated zone	 0.95 	 Somewhat limited Depth to saturated zone	 0.95	 Somewhat limited Depth to saturated zone	 0.95
		Restricted permeability	0.30	Restricted permeability	0.22	Restricted permeability	0.22

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg 		Disposal of Disposal of wastewater by irrigation	ı
	i I	Rating class and limiting features		Rating class and limiting features		-	
	 	 	 	 	 	Too steep for surface application	 0.08
720: Racoon	 100 	 Very limited Restricted permeability		Depth to		 Very limited Depth to saturated zone	 1.00
		Depth to saturated zone	1	Flooding	İ	permeability	11.00
		Flooding	0.60 	permeability	11.00	İ	0.60
		Leaching limitation Too acid	0.50 0.08	Too acid 	0.31 	Too acid 	0.31
729:	l I	 	1]	1	 	1
Nodaway	- 65	Somewhat limited Flooding	0.60		11.00	Somewhat limited Flooding	0.60
Coppock	35 	Very limited Depth to saturated zone		Very limited Flooding		Very limited Depth to saturated zone	11.00
	i I	Flooding	0.60	Depth to saturated zone	11.00	Flooding	0.60
730B:	i						
Nodaway	40 	Somewhat limited Flooding 	 0.60 	Very limited Flooding 	 1.00 	Somewhat limited Flooding Too steep for surface application	 0.60 0.08
Coppock	35 	' -		Very limited Depth to saturated zone		 Very limited Depth to saturated zone	1 1.00
	 		 		 	Too steep for surface application	0.08
Cantril	25	Depth to	0.43	=	0.43	•	0.43
	 	saturated zone Too acid 	 0.02 		 0.07 		 0.08
	 	saturated zone	1	saturated zone	İ	saturated zone Too steep for surface	

Van Buren County, Iowa

Map symbol and soil name	of map	Pct. Application of manure and food map processing was unit		Application of sewage sludg 	е	Disposal of wastewater by irrigation	ı
	; 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
792D2:		 	 	 		 	
Armstrong	- 95 	Very limited Restricted permeability 	 1.00 	Very limited Restricted permeability 	11.00	Very limited Too steep for surface application	11.00
	İ	Depth to saturated zone	1.00	Depth to saturated zone	11.00	Restricted permeability	11.00
	 		0.63 	Slope 	0.63 		1.00
795C2: Ashgrove	- I 90	 Very limited	 	 Very limited	i I	 Very limited	į į
		Restricted permeability	1.00	Restricted permeability	11.00	-	11.00
		Runoff limitation	0.40	•	0.31	Too steep for surface application Too acid Too steep for sprinkler application	0.91
795D:			 		 		
Ashgrove	- 90 	Very limited Restricted permeability	 1.00 	Very limited Restricted permeability	 1.00 	Very limited Restricted permeability	11.00
		Depth to saturated zone	1.00 	Depth to saturated zone	1.00 	Too steep for surface application	11.00
		Slope	0.63	Slope	0.63		11.00
		Runoff limitation	0.40	Too acid 	0.31	Too steep for sprinkler application	0.77
	 	 Too acid 	 0.08 	 	 	Too acid	0.31
795D2:		177		177	1	177	1
Ashgrove	- 90 	permeability	1.00 	permeability	1.00 	permeability	11.00
		Depth to saturated zone	1.00 	Depth to saturated zone	1.00 	Too steep for surface application	11.00

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigation	٦
		=		 Rating class and limiting features 		=	
	 	 Slope	10.63	 Slope 	10.63	 Depth to saturated zone	11.00
		Runoff limitation 	0.40	Too acid 	0.31 	Too steep for sprinkler application	0.77
	į	Too acid	0.08		İ	Too acid	0.31
831B:		 		 		 	
Pershing	100	Restricted	11.00	Very limited Restricted	11.00		11.00
		permeability Depth to saturated zone	0.43	permeability Depth to saturated zone	0.43	permeability Depth to saturated zone	0.43
		•	 0.08 	•	0.31	•	0.31 0.08
831C2:	i						
Pershing	100 	-		Very limited Restricted permeability	11.00	Very limited Restricted permeability	11.00
	i I	= =	0.43		0.43	Too steep for surface application	0.91
		 Too acid 	0.08	 Too acid 	0.31		0.43
		 	 	 		Too acid Too steep for sprinkler application	0.31 0.02
832B: Weller	100 	•		 Very limited Restricted		 Very limited Restricted	 1.00
			0.43	permeability Depth to		permeability Depth to	0.43
	 	saturated zone Too acid 	 0.08 	saturated zone Too acid 	 0.31 	saturated zone Too acid Too steep for surface application	 0.31 0.08
832C: Weller	90	 Very limited		 Very limited		 Very limited	
		Restricted permeability	1.00 	Restricted permeability	11.00	Restricted permeability	1.00

Van Buren County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application Of sewage sludg	е	Disposal of wastewater by irrigation	1
	 	Rating class and limiting features	Value 	Rating class and limiting features		Rating class and limiting features	Value
		 Depth to saturated zone	0.43	Depth to saturated zone	0.43	 Too steep for surface application	 0.91
	 	Too acid	0.08 	Too acid 	0.31	Depth to saturated zone Too acid Too steep for sprinkler application	0.43 0.31 0.02
832C2: Weller	 90 	 Very limited Restricted permeability Depth to saturated zone	 1.00 1.03 0.43	permeability	1.00	 Very limited Restricted permeability Too steep for surface application	1.00
	 	Too acid	0.08 	Too acid I I I I I I	0.31	Depth to saturated zone Too acid Too steep for sprinkler application	0.43 0.31 0.02
832D2: Weller	 90 	 Very limited Restricted permeability 	 1.00 	 Very limited Restricted permeability 	 1.00 	 Very limited Too steep for surface application	11.00
	 	Slope Depth to saturated zone	0.63 0.43	İ	0.63 0.43	permeability Too steep for sprinkler	1.00 0.77
	 	 Too acid 	0.08 	 Too acid 	0.31	application Depth to saturated zone Too acid 	0.43
880B: Clinton	 95 	 Somewhat limited Restricted permeability Too acid 	 0.30 0.02	 Somewhat limited Restricted permeability Too acid 	 1 0.22 1 0.07	permeability	 0.22 0.08

Van Buren County, Iowa

and soil name	Pct. of map unit	manure and food processing was		Application of sewage sludg l	е	Disposal of wastewater by irrigation	n	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features		
880C: Clinton	90		0.30	 Somewhat limited Restricted permeability		 Somewhat limited Too steep for surface application	 0.91	
	 	 Too acid 	0.02	Too acid - - - - - -	0.07	Restricted permeability Too acid Too steep for sprinkler application	0.22 0.07 0.02 	
880C2: Clinton	 90 	 Somewhat limited Restricted permeability	 0.30 	 Somewhat limited Restricted permeability	 0.22 	 Somewhat limited Too steep for surface application	 0.91 	
	 	Too acid - - - - -	0.02 	Too acid - - - - - -	0.07 		0.22 0.07 0.02 	
880D: Clinton	 90 	 Somewhat limited Slope 	 0.63	 Somewhat limited Slope 	 0.63	surface	 1.00	
	 	Restricted permeability	0.30	Restricted permeability	0.22	application Too steep for sprinkler application	0.77	
		 Too acid 	0.02	Too acid Too acid 	0.07		0.22	
880D2: Clinton	,	 Somewhat limited Slope 		 Somewhat limited Slope		surface	11.00	
	 	 Restricted permeability	0.30	Restricted permeability	0.22	application Too steep for sprinkler application	 0.77 	
		 Too acid 	0.02	Too acid 	0.07	Restricted permeability Too acid	0.22	

Van Buren County, Iowa

and soil name o	Pct. of map unit 	manure and food- processing wast	-	Application of sewage sludg 	е	Disposal of wastewater by irrigation 		
	 	Rating class and limiting features		Rating class and limiting features			Value	
977: Richwood	1	 	 	 	 	 - Not limited		
993D2: Gara	 60 	 Somewhat limited Slope 	 0.63	 Somewhat limited Slope 	 0.63	 Very limited Too steep for surface	11.00	
		 Restricted permeability 	 0.30 	Restricted permeability 	 0.22 	application Too steep for sprinkler application Restricted permeability	 0.77 0.22	
Armstrong	 30 	Restricted permeability	 1.00 1.00 0.63	 Very limited Restricted permeability Depth to saturated zone Slope	 1.00 1.00 1.00	Very limited Too steep for surface application Restricted permeability Depth to saturated zone	 1.00 1.00 1.00	
994D2:		 	 	 	 	Too steep for sprinkler application	0.77 	
Galland	65 	Restricted permeability Depth to	 1.00 1.00	permeability Depth to	 1.00 1.00	surface application Restricted	 1.00 1.00	
	 	saturated zone Slope Runoff limitation 	 0.63 0.40 	saturated zone Slope 	 0.63 	permeability Depth to saturated zone Too steep for sprinkler application	1.00 0.77 	
Douds	 35 		 0.63 	 Somewhat limited Slope 	 0.63 	 Very limited Too steep for surface application	11.00	
	 	 Too acid 	 0.02 	 Too acid 	 0.07 		 0.77 0.07	

Van Buren County, Iowa

and soil name	Pct. of map unit	manure and food processing was	-	Application of sewage sludg		Disposal of wastewater by irrigation	ı			
	 	 Rating class and limiting features		Rating class and limiting features		-				
994E2: Galland	 65	Restricted	1.00	Restricted	1.00	 - Very limited Too steep for	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	 	İ	ĺ			application Too steep for	11.00			
	 	——————————————————————————————————————	l	Depth to saturated zone		sprinkler application Restricted permeability Depth to saturated zone	 1.00 1.00			
Douds	 35 			 Very limited Slope 		 Very limited Too steep for surface application	1 1.00			
	 	 Too acid 	 0.02 	Too acid 	0.07		11.00			
1130:	 	 	 	Low adsorption	0.01	Too acid 	0.07			
Belinda	 100 	Restricted permeability	1.00 1.00	permeability Depth to saturated zone	1.00 	 Very limited Restricted permeability Depth to saturated zone	11.00			
1260: Beckwith	 100 100 	Restricted permeability Depth to saturated zone Runoff limitation	1.00 1.00	permeability Depth to saturated zone Too acid	1.00 1.00	 Very limited Restricted permeability Depth to saturated zone Too acid	 1.00 1.00 0.31			
1715: Nodaway				-		 Somewhat limited Flooding	10.60			
Vesser		 Very limited Depth to saturated zone	11.00	Flooding	11.00	 Very limited Depth to saturated zone	 1.00			

Van Buren County, Iowa

and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg 		Disposal of wastewater by irrigation	1
	 	Rating class and limiting features		Rating class and limiting features			
	 	 Flooding		Depth to saturated zone		•	 0.60
Mtsterling	 	Restricted permeability Depth to saturated zone Flooding	1.00 1.00 0.60	 Very limited Depth to saturated zone Flooding Restricted permeability	1.00 1.00	Restricted permeability	 1.00 1.00 0.60
1977: Keosauqua	100	 Not limited	 	 Not limited	 	 Not limited	
3051: Vesser	100			 Very limited Depth to saturated zone			11.00
3054: Zook		Restricted permeability Depth to saturated zone Leaching	1.00 1.00	Restricted permeability Depth to saturated zone	1.00 1.00	 Very limited Restricted permeability Depth to saturated zone	 1.00 1.00
3133: Colo	 100 	Depth to saturated zone	11.00	Depth to saturated zone	11.00	· -	1 1 .00
3139: Perks	 	Droughty Filtering capacity	11.00	Droughty Filtering capacity	11.00	 Very limited Droughty Filtering capacity 	 1.00 1.00
3208: Klum	95	 Not limited 	 	 Not limited 		 Not limited 	

Van Buren County, Iowa

and soil name c	Pct. of map unit 	manure and food processing was	_	Application of sewage sludg 		Disposal of wastewater by irrigation 		
	 			Rating class and limiting features				
3220: Nodaway	 95	 Not limited		 - Not limited	 	 		
3315: Nodaway	45	 Not limited		 Not limited		 Not limited		
Klum	30	 Not limited		Not limited		Not limited		
Perks	 20 	Droughty Filtering capacity	1.00 1.00	Filtering capacity	1.00 1.00	 Very limited Droughty Filtering capacity 	 1.00 1.00 	
3484: Lawson	 95 		11.00	 Very limited Depth to saturated zone	11.00	 Very limited Depth to saturated zone	1 1 1 1 1 1 1 1 1 1	
3520: Coppock	 100 		1.00	 Very limited Depth to saturated zone	1.00	 Very limited Depth to saturated zone	 1.00	
3587: Chequest	 100 	Depth to saturated zone Restricted permeability	1.00 0.30	Depth to saturated zone Restricted permeability	1.00 0.22 	Restricted permeability	 1.00 0.22 0.07	
3720: Racoon	 100 	Restricted permeability Depth to saturated zone Leaching limitation	1.00 1.00	 Very limited Depth to saturated zone Restricted permeability Too acid	1.00 1.00	Depth to saturated zone Restricted	11.00	
5010: Pits, Sand And Gravel		 Not rated 		 Not rated 	 	 Not rated 		

Van Buren County, Iowa

map	Pct. of map unit	manure and food processing was	-	Application of sewage sludg 	Application Dispose of sewage sludge was by in		
	 	Rating class and limiting features	Value	Rating class and limiting features		Rating class and limiting features	
5020: Pits And Dumps	 100 	 Not rated 	 	 Not rated 		 Not rated 	
5030: Pits, Limestone Quarries		 - - Not rated - - -	 	 - - Not rated - - -		 Not rated 	
5040: Orthents	 100 	 - - Not rated - -	 	 - - Not rated - -		 - - Not rated - -	
5047: Aquents	 100 	 Not rated 	 	 Not rated 		 Not rated 	
AW: Animal Waste	 100 	 Not rated 		 Not rated 	 	 Not rated 	
SL: Sewage Lagoon	 100 		 	 Not rated 	 	 Not rated 	
W: Water	 100 	 Not rated 	 	 Not rated 	 	 Not rated 	

USDA-NRCS, IOWA